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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/761,415		01/22/2004	Todd E. Bofinger	08935-301001 / M-5064	1429
26161	7590	08/24/2006		EXAMINER	
FISH & RICHARDSON PC P.O. BOX 1022				CHU, HELEN OK	
MINNEAPOLIS, MN 55440-1022			·	ART UNIT	PAPER NUMBER
	,			· 1745	
				DATE MAILED: 08/24/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Office Action Commons	10/761,415	BOFINGER ET AL.					
Office Action Summary	Examiner	Art Unit					
	Helen O. Chu	1745					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period value - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on	·						
2a) ☐ This action is FINAL . 2b) ☑ This	This action is FINAL . 2b)⊠ This action is non-final.						
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)⊠ Claim(s) <u>1-21</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-21</u> is/are rejectéd.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/o	r election requirement.						
Application Papers							
9) The specification is objected to by the Examine	r.						
10)⊠ The drawing(s) filed on <u>03 May 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)-(d) or (f).					
a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in Application No							
application from the International Bureau		-					
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment(c)							
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail D	ate					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 8/1/05.6/2/05.10/21/24) 10/15/24	6) Other:	Patent Application (PTO-152)					

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DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claim 1 is rejected under 35 U.S.C. 112, first paragraph, as based on a disclosure which is not enabling. The temperature for these steps are critical or essential to the practice of the invention, but not included in the claim(s) is not enabled by the disclosure. See *In re Mayhew*, 527 F.2d 1229, 188 USPQ 356 (CCPA 1976). The recitation "sufficient" does not enable anyone skilled in the art to practice, use, or repeat the Applicants' invention.

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The recitation "temperature sufficient to" is unclear to the Examiner. The term "sufficient' does not permit any one skilled in the art to understand the Applicants' required temperature in order to produce this product.

Claim Rejections - 35 USC § 102

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3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Itchev et al. (US Patent 6,190,800 B1).

In regard to claims 1, 9 and 17, Itchev et al. reference discloses a method of making a lithiated manganese dioxide for cathode of a primary battery that comprises contacting the lithium ion source at temperatures sufficient to substantially replace protons in the manganese dioxide with lithium ions (Abstract) and a water removal step in removing water to have similar x-ray diffraction patterns to prior to lithiation (Column 7, Line 66- Column 8, Line 2).

In regard to claims 2, 3, 10 and 11, the Itchev et al. reference disclose a gamma-manganese dioxide (Column 1, Line 13) derived by persulfate (Column 1, Lines 58-59).

In regard to claims 4, 5, 12, and 13, the Itchev et al. reference discloses a lithium hydroxide that is an aqueous solution (Column 4, Lines 35-36).

In regard to claims 14-16 and 6-8, the Itchev et al. reference discloses a lithiation step at a temperature of 15 to 35 °C (Column 7, Lines 36-37) and a water removal step at a temperature of 350°C (Column 4, Line 20-21).

In regard to claims 18-20, the Itchev et al. reference discloses a battery with inherent properties such as an anode, cathode electrolyte, and separator. Furthermore,

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the anode comprises of lithium (Column 16, Line 34) and the electrolyte has organic solvent (Column 16, Lines 63).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Helen O. Chu whose telephone number is (571) 272-5162. The examiner can normally be reached on Monday-Friday 8am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PATRICK JOSEPH RYAN SUPERVISORY PATENT EXAMINER

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